

Workshop on Juno Ground-Based Support from Amateurs:

Science and Public Impact

First announcement

As part of the Europlanet NA1 program and the international campaign of observations supporting the Juno mission to Jupiter, there will be a two days workshop aimed for amateur astronomers hosted at the **Observatoire de la Côte d’Azur in Nice, France**. The meeting will take place between the **11th and 13th of May 2016** at the Observatoire with most of the assistants being hosted in the city.

Outline: From July 2016, the NASA spacecraft Juno will explore Jupiter's inner structure from a series of long elliptical orbits with close flybys of the planet. To understand the atmospheric dynamics of the planet at the time of Juno, NASA has requested the collaboration of amateur astronomers observing the Giant Planet. The collaborative effort between Juno and amateurs is linked to the visual camera onboard Juno: JunoCam. Juno opens an exciting opportunity for amateurs to provide a unique dataset that will be used to plan the high-resolution observations from JunoCam and that will advance our knowledge of the atmospheric dynamics of the Giant planet Jupiter. The goals of this workshop are to discuss the amateur contribution to Juno in particular and to Jovian atmospheric sciences in general. Prominent amateur astronomers from different countries in Europe will assist this meeting as well as some professional astronomers involved in Juno and Jupiter research.

Website: http://www.ajax.ehu.es/Juno_amateur_workshop

Suggested topics

- Juno at Jupiter: Mission outline and objectives
- Juno at Jupiter: The role of amateurs
- Imaging Jupiter at high resolution
- Observational Techniques: New cameras, Optical devices and filters
- Imaging Jupiter’s different altitudes: 890nm, visible and IR.
- Recent advancements in amateur images processing software
- Jupiter Science by amateur astronomers: Atmospheric dynamics, Giant planets impacts, satellite events
- The future of amateur Jupiter observations

An open Round Table will close this workshop.

Important dates:

- January 31th 2015 – pre-registration (funding & talk request) deadline.
- February 29th 2016 – registration & hotel booking deadline.
- May 11th-13rd 2016 meeting (arrival Wednesday 10th night; meeting runs Thursday and Friday).

The meeting is sponsored by the Europlanet 2020 research infrastructure, which will provide reimbursement of the workshop (including fullboard accommodation) and travel costs within certain limits. Funding will be given to amateur astronomers. Non-EU participants are also welcome at the meeting, but reimbursement will only be available in exceptional cases. Places are limited, so please register early to avoid disappointment! Preregistration by the above deadline is required to be considered for reimbursement from Europlanet funds.

Organizing committees:**Science Organizing Committee (SOC):**

Ricardo Hueso (UPV/EHU, Spain)
Marc Delcroix (Société Astronomique de France)
François Colas (IMCCE – Pic du Midi)
John Rogers (British Astronomical Association, UK)
Glenn S. Orton (JPL, USA)
Manuel Scherf (Europlanet representative, Austria)
Kargl Günter (Europlanet representative, Austria)

Local Organizing Committee (LOC):

Paolo Tanga (Observatoire de la Côte d'Azur)
Ricardo Hueso (formerly at Observatoire de la Côte d'Azur)

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